

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	("20070178264").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/19 12:58
S3	3	("2003277502").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/19 13:48
S4	2	("2002292656").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/19 13:50
S5	2	("2001142313").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/19 13:52
S6	145	2,3,3',4'-biphenyl tetracarboxylic same 3,3', 4,4'-biphenyl tetracarboxylic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/03/19 13:54
S8	16	2,3,3',4'-biphenyl tetracarboxylic same 3,3', 4,4'-biphenyl tetracarboxylic same diamine and carbon	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/03/19 13:55
S9	2	2,3,3',4'-biphenyl tetracarboxylic same 3,3', 4,4'-biphenyl tetracarboxylic same diamine same carbon	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/03/19 13:55

## EAST Search History (Prior Art)

S10	9	2,3,3',4'-biphenyl tetracarboxylic same 3,3', 4,4'-biphenyl tetracarboxylic same diamine and carbon black	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/03/19 13:57
S11	3	("2003213014").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/19 14:08
S12	2	"10182820".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 08:32
S13	12762	rotation\$6 near (mold\$4 or mould\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 08:56
S14	5	seamless tubular polyimide	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 08:56
S15	2	S14 and S13	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 08:56
S16	3	("2003261768").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/06/16 09:45

## EAST Search History (Prior Art)

S17	3	("4190936").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/06/16 09:46
S19	2	"63037136".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 09:48
S21	6	((("6352750") or ("6217963") or ("5389412"))).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/06/16 10:14
S23	4	S21 and carbon	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 10:15
S24	2	("6303054").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/06/16 10:31
S25	9504	(seamless or jointless) with (pipe or tube)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 10:45
S26	240561	polyimide or (polyamic acid) or poly(amic acid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 10:45

## EAST Search History (Prior Art)

S27	288		S25 S26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/06/16 10:46
S28	46		S25 S26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WIT H	ON	2009/06/16 10:46
S31	281	asymmetric\$4 with (dianhydride or (carboxylic near ester))		US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WIT H	ON	2009/06/16 10:48
S32	1		S28 and S31	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WIT H	ON	2009/06/16 10:48
S33	96		S26 and S31	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WIT H	ON	2009/06/16 10:49
S34	67		S26 and S31 and carbon	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WIT H	ON	2009/06/16 10:49
S35	15	S26 and S31 and carbon and (equimol\$4)		US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WIT H	ON	2009/06/16 10:49

## EAST Search History (Prior Art)

S36	3	S34 and S13	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WIT H	ON	2009/06/16 10:51
S37	10	S26 and S31 and (carbon near black)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WIT H	ON	2009/06/16 10:53
S38	609	(1,2,3,4-benzenetetracarboxylic acid) or (1, 2,6,7-naphthalenetetracarboxylic acid) or (2, 3,3',4'-biphenyltetracarboxylic acid) or (2,3, 3',4'-benzophenonetetracarboxylic acid) or (2,3,3',4'-diphenyl ether tetracarboxylic acid) or (2,3,3', 4'-diphenylmethanetetracarboxylic acid) or (2,3,3',4'-diphenylsulfonetetracarboxylic acid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 10:57
S39	2588	(1,2,4,5-benzenetetracarboxylic acid) or (2, 3,6,7-naphthalenetetracarboxylic acid) or (3, 3',4,4'-biphenyltetracarboxylic acid) or (3,3', 4,4'-benzophenone tetracarboxylic acid) or (3,3',4,4'-diphenyl ether tetracarboxylic acid) or (3,3',4, 4'-diphenylmethanetetracarboxylic acid) or (3,3',4,4'-diphenylsulfonetetracarboxylic acid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 10:58
S40	416	S38 and S39	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 10:58
S41	60	S40 and (carbon near black)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 10:59
S43	52	(S38 with S39) and (carbon near black)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 11:01

## EAST Search History (Prior Art)

S45	46	S43 and film	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 11:02
S47	2	(S38 with S39 with ester) and (carbon near black)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 11:35
S48	26	(S31 or S40) and ester and (carbon near black) and (oligomer or pre\$1polymer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 11:40
S49	22	(S31 or S40) and ester and (carbon near black) and (oligomer or pre\$1polymer) and film	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 11:40
S50	5955	(oligomer\$2 or pre\$1polymer or (low near molecular near weight)) same S26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 12:24
S51	10	(S31 or S40) and ester and (carbon near black) and S50	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 12:24
S52	12	(S31 or S40) and (carbon near black) and S50	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 12:26

## EAST Search History (Prior Art)

S54	306	(asymmetric\$4 or non-symmetric or symmetric) with (dianhydride or (carboxylic near ester))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WIT H	ON	2009/06/16 13:34
S55	25	S54 and S50	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 13:35
S56	2	S55 and (carbon near black)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 13:35
S57	545	(asymmetric\$4 or non-symmetric or symmetric) same (dianhydride or (carboxylic near ester))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WIT H	ON	2009/06/16 13:39
S58	29	S57 and S50	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 13:39
S59	8	s-bpda with a-bpda and (carbon black)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 14:19
S60	354	S38 with S39	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 14:37

## EAST Search History (Prior Art)

S61	19	S38 with S39 with combinat\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 14:37
S62	2	(oligomer\$2 or pre\$1polymer or (low near molecular near weight)) and S61 and (carbon black)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 14:38
S64	5	S61 and (carbon black) and S26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 14:40
S65	2	(oligomer\$2 or pre\$1polymer or (low near molecular near weight)) and S64	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 14:41
S68	68	S38 same S39 same combinat\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 14:51
S69	11	S68 and (carbon black) and S26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 14:51
S71	2	(oligomer\$2 or pre\$1polymer or (low near molecular near weight)) and S69	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 14:52



## EAST Search History (Prior Art)

S72	546	(oligomer\$2 or pre\$1polymer or (low near molecular near weight)) with (polyamic acid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 14:53
S73	69	S72 and (carbon black)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 14:54
S74	0	S72 and (carbon black) and S68	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 14:54
S75	1	S72 and S68	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 14:54
S76	2668	dianhydride same combinat\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 15:00
S77	31	S72 and S76 and (carbon black)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 15:01
S78	31	S72 and S76 and (carbon black) and ester	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 15:01

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S79	2802	dianhydride same (combinat\$4 or (at least) or (more than))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 15:06
S87	609	(oligomer\$2 or pre\$1polymer or (low near molecular near weight)) with ((polyamic acid) or poly(amic acid))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/16 15:28
S90	456	((amic acid) or (polyamic acid) or poly(amic acid)) with oligome\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 09:00
S91	58	S90 and (carbon black)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 09:00
S92	19	(S90 with weight) and (carbon black)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 09:00
S93	22	(S90 with weight) and graphite	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 09:25
S94	2802	dianhydride same (combinat\$4 or (at least) or (more than))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 09:26

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S95	10	(S90 with weight) and graphite and S94	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 09:26
S96	12	(S90 with weight) and ((carbon black) or graphite) and S94	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 09:27
S97	240561	polyimide or (polyamic acid) or poly(amic acid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 09:53
S98	1614	S97 and 528/353.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 09:53
S10 5	258	diamine same (dianhydride with ester) same (temperature or degree)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 10:58
S10 7	91	diamine same (dianhydride with ester) same (temperature or degree) and (polyamic acid) and polyimide	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 10:59
S10 8	50	diamine same (dianhydride with ester) same (temperature or degree) and (polyamic acid) and polyimide.ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 10:59

## EAST Search History (Prior Art)

S109	39	diamine with (dianhydride with ester) with (temperature or degree) and (polyamic acid) and polyimide	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 11:02
S110	82	diamine with (dianhydride with ester) with (temperature or degree)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 11:06
S111	12	diamine with (dianhydride with ester) with (temperature or degree) same oligomer\$	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 11:07
S112	42	diamine with (dianhydride with ester) with heat	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 11:10
S113	0	(yokota or goto or ozawa).in. and ube.as. and (polyamid acid oligomer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 11:32
S114	0	(yokota or goto or ozawa).in. and (polyamid acid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 11:32
S115	1	("2005/0014925").URPN.	USPAT	ADJ	ON	2009/06/17 11:33
S116	149	(carbon black) with graphite with conductivit\$4 and polyimide	USPAT	ADJ	ON	2009/06/17 11:35
S117	1	(carbon black) with graphite with conductivit\$4 with equivalent and polyimide	USPAT	ADJ	ON	2009/06/17 11:36

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S11 8	52262	yano.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 11:38
S11 9	5	yano.in. and (carbon black) and (polyamic acid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 11:38
S12 1	2	("6732488").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/06/23 20:09
S12 2	2	("5138028").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/06/23 20:28
S12 3	2	("6303054").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/06/23 20:30
S12 4	1	"10591326".rlan. or ("10".src. and "591326".ap.)	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2009/12/22 18:50
S12 5	4	((("6217963") or ("6001440")).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/07/21 15:49
S12 6	4	((("6352750") or ("5389412")).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/07/21 15:53

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S12 7	2	("6126730").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/07/21 15:58
S12 8	2	("6303054").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/07/21 16:00
S12 9	1569	"1000" adj "7000" or (1k adj 7k)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/21 17:08
S13 0	266530	polyimide or (polyamic acid) or poly(amic acid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/21 17:08
S13 1	165	S130 and S129	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/21 17:08
S13 2	397	S129 with (molecular weight)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/21 17:10
S13 3	29	S132 and S130	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/21 17:10

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S13 4	1556	"2000" adj "7000" or (2k adj 7k)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/21 17:19
S13 5	397	S134 with (molecular weight)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/21 17:20
S13 6	266530	polyimide or (polyamic acid) or poly(amic acid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/21 17:20
S13 7	11	S135 and S136	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/21 17:20
S13 8	226102	("1000" or "2000" or "3000" or "4000" or "5000" or "6000" or "70000" or 1k or 2k or 3k or 4k or 5k or 6k or 7k) with (molecular weight)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/21 17:22
S14 5	633	("1000" or "2000" or "3000" or "4000" or "5000" or "6000" or "7000" or 1k or 2k or 3k or 4k or 5k or 6k or 7k) with (number molecular weight)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/21 17:34
S14 7	1	S145 same ((polyamic acid) or poly(amic acid))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/21 17:35

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S14 8	2	S145 and((polyamic acid) or poly(amic acid))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/21 17:35
S14 9	8583	("1000" or "2000" or "3000" or "4000" or "5000" or "6000" or "7000" or 1k or 2k or 3k or 4k or 5k or 6k or 7k) with (molecular weight) with oligomer\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/21 17:37
S15 0	74	S136 same S149	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/21 17:37
S15 1	107	S136.ab. and S149	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/21 17:38
S15 2	31	S136.ab. and S149 and (carbon black or graphite)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/21 17:47
S15 5	59	S136.ab. and S149 and conduct\$8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/21 18:00
S15 6	150256	("1000" or "2000" or "3000" or "4000" or "5000" or "6000") adj ("7000" or "2000" or "3000" or "4000" or "5000" or "6000")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/21 18:18



## EAST Search History (Prior Art)

S15 7	922	S156 with oligomer\$6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/21 18:19
S15 8	2	S157 with (polyamic acid or poly(amic acid))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/21 18:19
S15 9	2	S157 same (polyamic acid or poly(amic acid))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/21 18:20
S16 0	7	S157 with S136	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/21 18:20
S16 1	17	S157 and S136.ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/21 18:22
S16 3	21242	S156 with (molecular weight)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/21 18:28
S16 4	3	S163 with (polyamic acid or poly(amic acid))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/21 18:28

## EAST Search History (Prior Art)

S16 5	73	S163 and S136.ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/21 18:29
S16 9	27	S165 and (carbon black or conductive or graphite)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/21 18:31
S17 0	33	S163 and (S136 and film).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/21 18:34
S17 1	326	oligomer\$6 with (polyamic acid or poly(amic acid))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/21 18:41
S17 2	114	S171 and (carbon black or conductive or graphite)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/21 18:41
S17 3	51	S156 with (pre adj polymer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/21 18:55
S17 6	2	S173 and S136	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/21 18:56

## EAST Search History (Prior Art)

S17 7	97	S136 with (pre adj polymer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/21 18:57
S17 8	24	(pre adj polymer) with (polyamic acid or poly(amic acid))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/21 18:57
S17 9	1077	(pre adj polymer) and S136	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/21 19:00
S18 0	95	S179 and S156	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/21 19:00
S18 1	58	S180 and conduct\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/21 19:01
S18 2	3	("4467000").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/07/22 10:04

## EAST Search History (Interference)

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